

<p>94-115426/14 A97 D25 E19  <b>KAOS 92.08.19</b>  *JP 06065598-A  92.08.19 92JP-220198 (94.03.08) C11D 11/00, 7734, 0881 3/02  Prepn. of bleaching activator granulate having high storage stability - by granulating nucleus particles consisting of sodium percarbonate or perborate impregnated and or coated with borate(s), etc.  C94-053487</p>	<p>A(10-B1, 12-W12B) D(11-B11, 11-D1F) E(10-A22, 10-C4F, 31-E, 31-Q)</p> <p>R<sup>1</sup> = opt. substd. opt. branched 1-22C alkyl or alkenyl or aryl opt. substd. with a 1-22C alkyl;  X = -O-, -N(R<sup>2</sup>)-C(O)-, -C(O)-N(R<sup>2</sup>)-, -C(O)-, -O-C(O)- or -C(O)-O-;  R<sup>2</sup> = H or opt. substd. opt. branched 1-22C alkyl or alkenyl;  Y = opt. substd. 1-12C alkylene, oxyalkylene or polyoxy-alkylene having an addn. mole number of 1-20 moles;  n = 0 or 1;  L = leaving gp. generating and organic peroxide on reaction with H<sub>2</sub>O<sub>2</sub>;  R<sup>3</sup> = opt. branched 1-20C alkyl or alkenyl, phenyl or aryl substd. with an alkyl gp(s). with their total carbon atom number of 1-20C;  R<sup>4</sup> and R<sup>5</sup> = 1-3C alkyl; A = -O-, -NH-C(O)-, -C(O)-NH-, -C(O)-, -O-C(O)- or -C(O)-O-;  B = opt. branched 1-10C alkylene or -D-(OD)<sub>p</sub>-;  D = 2-3C alkylene;  p = 0-10, on average;  m = 0 or 1;  R<sup>6</sup> = opt. substd. 1-12C alkylene or -(CH<sub>2</sub>)<sub>q</sub>-(CH<sub>2</sub>)<sub>r</sub>-;  q and r = 0-2; and</p>
<p>In a new prepn. of a bleaching activator granulate, (A) nucleus particles consisting of sodium percarbonate or perborate particles impregnated and/or coated with a borate(s) or sodium perborate particles without impregnation and coating; and (B) a powder(s) of formula (I) and/or (II) are granulated with stirring and tumbling in the presence of a water-soluble organic binder(s) to obtain a granulate having a wt. average grain size of 100-3,000 microns.</p> $R^1-(X-Y)_n-\overset{\overset{O}{\parallel}}{C}-L \quad (I) \quad R^3-(A-B)_m-\overset{\overset{R^4}{ }}{\underset{\underset{R^5}{ }}{N^+}}-R^6-C-L.Z^2 \quad (II)$	<p>J06065598-A+</p>

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<p>Z = inorganic/organic gp.; (Z<sup>-</sup> may not exist when -N<sup>+</sup> and L form an intramolecular salt.</p> <p><b>USE/ADVANTAGE</b>  The granulate dissolves readily in water even at low temp. under weak stirring. It has high storage stability.  (9ppW31CHDwgNo0/0)</p>	<p>J06065598-A</p>
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